

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Paul Joseph Steinhardt</td> <td>03/23/2009</td> </tr> <tr> <td>Paul Michael Chaikin</td> <td>03/25/2009</td> </tr> <tr> <td>Weining Man</td> <td>03/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Paul Joseph Steinhardt	03/23/2009	Paul Michael Chaikin	03/25/2009	Weining Man	03/30/2012
Name	Execution Date								
Paul Joseph Steinhardt	03/23/2009								
Paul Michael Chaikin	03/25/2009								
Weining Man	03/30/2012								
RECEIVING PARTY DATA									
Name:	The Trustees of Princeton University								
Street Address:	4 New South Building, Fourth Floor, P.O. Box 36								
City:	Princeton								
State/Country:	NEW JERSEY								
Postal Code:	08544								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13553149</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13553149				
Property Type	Number								
Application Number:	13553149								
CORRESPONDENCE DATA									
Fax Number:	4159570279								
Phone:	4159575935								
Email:	gtsyal@medlencarroll.com, rldalton@medlencarroll.com, docketing@medlencarroll.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Medlen & Carroll, LLP								
Address Line 1:	703 Market street, Suite 340								
Address Line 4:	San Francisco, CALIFORNIA 94103								
ATTORNEY DOCKET NUMBER:	PRINCE-17399								
NAME OF SUBMITTER:	Garima Syal								
Total Attachments: 4 source=clientassign#page1.tif source=clientassign#page2.tif source=clientassign#page3.tif source=recordation prince 17399#page1.tif									

OP \$40.00 13553149

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Continuation Appln Entitled: **Quasicrystalline Structures and Uses Thereof**  
Filed: 07/19/2012  
Attorney Docket No. PRINCE-17399

**PATENT**  
Attorney Docket No.: PRINCE-16064

### ASSIGNMENT

WHEREAS, WE, Paul Joseph STEINHARDT, Paul Michael CHAIKIN, Weining MAN, hereinafter referred to as "ASSIGNOR," have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Quasicrystalline Structures and Uses Thereof**

Filing Date: 1/8/2008

Serial No.: 11/988,480

WHEREAS, Princeton University a New Jersey corporation having a place of business at The Trustees of Princeton University, Princeton University, Office of Research and Intellectual Property, 4 New South Building, P.O. Box 36, Princeton, NJ 08544, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE, and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereto signed ASSIGNOR's name to this Assignment on the date indicated below.

Paul Joseph Steinhart      3/23/09  
Paul Joseph Steinhart      Date

\_\_\_\_\_  
Paul Michael Chaikin      Date

\_\_\_\_\_  
Weining Man      Date

STATE OF                                    )  
  )  
COUNTY OF                               )      ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR, known to me (or proven to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed the same.

SEAL

\_\_\_\_\_  
NOTARY PUBLIC/WITNESS

MY COMMISSION EXPIRES: \_\_\_\_\_

In accordance with C.F.R. 1.63(d)(iv), the attached  
Assignment is to be used for Continuation Appln  
Entitled: **Quasicrystalline Structures and Uses  
Thereof**  
Filed: 07/19/2012  
Attorney Docket No. PRINCE-17399

**PATENT**  
Attorney Docket No.: PRINCE-16064

## ASSIGNMENT

WHEREAS, WE, Paul Joseph STEINHARDT, Paul Michael CHAIKIN, Weining MAN, hereinafter referred to as "ASSIGNOR," have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:            **Quasicrystalline Structures and Uses Thereof**

Filing Date: 1/8/2008

Serial No.: 11/988,480

WHEREAS, Princeton University a New Jersey corporation having a place of business at The Trustees of Princeton University, Princeton University, Office of Research and Intellectual Property, 4 New South Building, P.O. Box 36, Princeton, NJ 08544, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE, and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's name to this Assignment on the date indicated below.

\_\_\_\_\_  
Paul Joseph Steinhardt

\_\_\_\_\_  
Date



\_\_\_\_\_  
Paul Michael Chaikin

\_\_\_\_\_  
3/25/09

\_\_\_\_\_  
Date

\_\_\_\_\_  
Weining Man

\_\_\_\_\_  
Date

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR, known to me (or proven to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed the same.

SEAL

\_\_\_\_\_  
NOTARY PUBLIC/WITNESS

MY COMMISSION EXPIRES: \_\_\_\_\_

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Continuation Appln  
Entitled: **Quasicrystalline Structures and Uses Thereof**  
Filed: **07/19/2012**  
Attorney Docket No. **PRINCE-17399**

**PATENT**  
Attorney Docket No.: **PRINCE-16064**

## ASSIGNMENT

WHEREAS, WE, Paul Joseph STEINHARDT, Paul Michael CHAIKIN, Weining MAN, hereinafter referred to as "ASSIGNOR," have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Quasicrystalline Structures and Uses Thereof**

Filing Date: 1/8/2008

Serial No.: 11/988,480

WHEREAS, Princeton University a New Jersey corporation having a place of business at The Trustees of Princeton University, Princeton University, Office of Research and Intellectual Property, 4 New South Building, P.O. Box 36, Princeton, NJ 08544, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

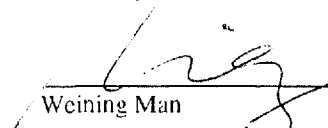
NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE, and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's name to this Assignment on the date indicated below.

\_\_\_\_\_  
Paul Joseph Steinhardt Date

\_\_\_\_\_  
Paul Michael Chaikin Date

  
\_\_\_\_\_  
Weining Man Date

03/30/2008

STATE OF CA )  
COUNTY OF USA )

ss.


On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, the undersigned Notary Public or Witness, personally appeared the above-named ASSIGNOR, known to me (or proven to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that he/she/they executed the same.

SEAL

\_\_\_\_\_  
NOTARY PUBLIC/WITNESS

MY COMMISSION EXPIRES: \_\_\_\_\_

**PATENT**  
**REEL: 028612 FRAME: 0147**

Form PTO-1595	RECORDATION FORM COVER SHEET		U.S. Department of Commerce Patent and Trademark Office
PATENTS ONLY			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies):  Paul Joseph Steinhardt Paul Michael Chaikin Weining Man	2. Name and address of receiving party(ies):  The Trustees of Princeton University 4 New South Building, Fourth Floor P.O. Box 36 Princeton, New Jersey 08544		
Additional name(s) of conveying party(ies) attached? No	Additional name(s) & address(es) attached? No		
3. Nature of conveyance: Assignment Execution Date: 03/23/2009 03/25/2009 03/30/2009			
4. Title of Invention: <b>Quasicrystalline Structures and Uses Thereof</b>			
A. New Patent Application No.(s): <b>13/553,149</b>	B. Patent No.(s): <b>N.A.</b>		
Additional numbers attached? <b>No</b>			
5. Name and address of party to whom correspondence concerning document should be mailed:  Peter G. Carroll MEDLEN & CARROLL, LLP 703 Market Street, Suite 340 San Francisco, California 94103	6. Total number of applications and patents involved: <b>1</b>		
	7. Total fee(s): Payment in the amount of <b>\$40</b> is submitted (\$40 Recordation fee).		
	8. Deposit Account Authorization:  The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. <b>08-1290</b> .		
<b>DO NOT USE THIS SPACE</b>			
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>			
Date: <u>July 23, 2012</u>	Signature: 		
	Name: John S. Roberts		
	Reg. No.: 36,655		